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Appl. No. 10/552,365
Amdt. Dated August 31, 2009
Reply to Office Action of May 29, 2009

Amendments to the Claims:

This listing will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): An electric vehicle comprising:

a frame;

a seat;

two front wheels;

two rear wheels

a driving device;

a battery;

a steering system; and

a front wheel suspension device,

the frame protrudes forward to form a casing for placing the battery at a middle position
of a front and low end of the frame in which casing the battery is received,

the front wheel suspension device has a front convex shape and a rear concave shape
covering a front end of the casing and is pivotally joined at a middle position of the front end of
the casing, and the two front wheels installed on the front wheel suspension device, and
the steering system is connected to the front end of the frame and interlocks with the front

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wheels.

Claim 2 (Previously presented): The electric vehicle as described in Claim 1, wherein a rear edge of the two front wheels is located at the rear of a front edge of the battery.

Claim 3 (Previously presented): The electric vehicle as described in Claim 2, further comprising:
two protruding upper/lower connection parts that are provided at a middle of the front end of the casing;

two pairs of upper and lower pivot joint parts provided on the connection parts;

a pair of front upper cantilevers;

a pair of front lower cantilevers; and

a vibration damper,

front ends of the front upper and lower cantilevers are connected to pivot joint parts along a longitudinal axis of the electric vehicle,

rear ends of the cantilevers extend towards a side rear to a side of the frame casing,

the left and front cantilevers and right and front cantilevers are connected with left and right ball head pins at the rear of the cantilevers,

left and right axles are provided on the left and right ball head pins and rotationally support the left and right front wheels,

the damper is provided near the rear of the cantilevers with one end of the damper connected to the frame and another end of the damper connected to the cantilevers, and

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the steering system comprises left and right lateral bars, a steering shaft and a steering handle, the steering shaft is rotationally provided at the front of the frame and interlocks with the left and right axles via the lateral bars.

Claim 4 (Previously presented): The electric vehicle as described in Claim 3, wherein the front cantilevers at the left and the front at the right form a trapezoid.

Claim 5 (Previously presented): The electric vehicle as described in Claim 4, wherein two pairs of upper pivots and two pairs of lower pivots are provided on the connection parts and extend inside two other pairs of upper pivots and two other pairs of lower pivots,

the front wheel suspension device has a pair of rear upper cantilevers and a pair of rear lower cantilevers which are substantially parallel to a front edge of the frame, and

one end of the rear cantilevers is pivotally connected to the two pairs of upper pivots and two pairs of lower pivots and another end of the rear cantilevers is fixed near the rear end of the front cantilevers.

Claim 6 (Previously presented): The electric vehicle as described in Claim 5, wherein stands for the steering shaft installation are provided on the upper/lower connection parts respectively.

Claim 7 (Previously presented): The electric vehicle as described in Claim 6, wherein the steering shaft comprises a forward protruding part that extends between two installation stands and

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provides a rotational connection for the lateral bars.

Claim 8 (Previously presented): The electric vehicle as described in Claim 7, wherein the lateral bars comprise ball head link bars.

Claim 9 (Previously presented): The electric vehicle as described in Claim 3, wherein the front ends of the upper/lower connection parts are fixed and supported by an I-shaped steel bracket.

Claim 10 (Previously presented): The electric vehicle as described in Claim 5, wherein the casing has a downward facing concave cavity in which the battery is received.